

Lindsay McMillan

Doctoral Researcher

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About

Title of PhD: Groundwater Quality: Rigorous sampling and interpretation of long-screen wells

Supervisors: [Dr Mike Rivett \(/staff/profiles/gees/rivett-michael.aspx\)](/staff/profiles/gees/rivett-michael.aspx) (University of Birmingham), [Professor John Tellam \(/staff/profiles/gees/tellam-john.aspx\)](/staff/profiles/gees/tellam-john.aspx) (University of Birmingham), Peter Dumble (Watterra In-Situ), Helen Sharp (Environment Agency)

Lindsay McMillan is undertaking NERC CASE funded doctoral research in partnership with Watterra UK Ltd and the Environment Agency. Her research aims to investigate how collection and interpretation of data from long-screened wells (wells open to >3m of aquifer) can be improved. Modeling allows process based understanding of flow from the surrounding aquifer and within the well to sampling devices. Field study sites allow rigorous validation of model outputs.

Qualifications

BSc (Hons) Computer Science, University of York (1999-2003)

MSc Hydrogeology, University of Birmingham (2009-2010)

Biography

Lindsay McMillan studied Computer Science at the University of York graduating in 2003. After size years working in IT she returned to university in 2003, completing a Masters in Hydrogeology at the University of Birmingham in 2010. She was awarded two prizes for her academic performance during the Masters at Birmingham: the Cecil Barber Prize (2010) and the Environmental Simulations International Prize (2010). She was successful in gaining a fully-funded NERC Case studentship and started her PhD research at the University of Birmingham in October 2010.

Research

Research interests

Hydrogeology, groundwater sampling, solute transport in groundwater, groundwater modelling, nano-particles in groundwater

Other activities

Lindsay was a postgraduate ambassador for the University Graduate School during 2010-2011.

In her free time she enjoys climbing, mountaineering, orienteering and mountain biking.